

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Eisenzopf, Reinhard Examiner #: 5978 Date: 8/19/02
Art Unit: 2600 Phone Number 305-4711 Serial Number: 10105-0887
Mail Box and Bldg/Room Location: DL2 8A3 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 5548276

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Ke Johnson</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-4071</u>	AA Sequence (#) _____	Dialog <u>/</u>
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>/</u>
Date Searcher Picked Up: <u>8/19/02</u>	Bibliographic _____	Dr. Link _____
Date Completed: _____	Litigation <u>X</u>	Lexis/Nexis <u>/</u>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>15</u>	Other _____	Other (specify) _____

Memorandum

To: Mr. Eisenzopf
From: Kimberly Johnson
Date: 8/19/02
Re: Litigation search request 5,548,276

Attached please find the results of your litigation search. Please feel free to contact me if you have additional questions or concerns. Thank you and have a great day.

Kimberly Johnson
TIS
EIC 2600
305-4071

Query/Command : prt max legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5548276 A 19960820 [US5548276]
TI - (A) Localized automatic fire extinguishing apparatus
PA - (A) THOMAS ALAN E (US)
IN - (A) THOMAS ALAN E (US)
AP - US15898993 19931130 [1993US-0158989]
PR - WOUS9508673 19950712 [1995WO-US08673]
US15898993 19931130 [1993US-0158989]
IC - (A) G08B-017/12
EC - A62C-037/38
PCL - ORIGINAL (O) : 340578000; CROSS-REFERENCE (X) : 169061000 250339150 250342000
DT - Basic; Intellectual family
CT - US3493953; US3665440; US3689773; US3739365; US3824392; US4671362
STG - (A) United States patent
AB - An automated fire extinguishing apparatus includes a turret with a nozzle connected to a water supply. A plurality of sensors are used to detect a fire monitored by the apparatus. The signals from the sensors are used to aim the nozzle toward the fire and to initiate water ejection therefrom. After the fire is extinguished the water is turned off.

1 / 1 LGST - ©LEGSTAT

PN - US 5548276 [US5548276]
AP - US 158989/93 19931130 [1993US-0158989]
DT - US-P
ACT - 19931130 US/AE-A
APPLICATION DATA (PATENT)
US 158989/93 19931130 [1993US-0158989]

19931130 US/AS99
OTHER ASSIGNMENTS
STEWART, HARRY E. 50% INTEREST 1178 WISTERIA DRIVE, MALVERN, PA 19355
* THOMAS, ALAN E. : 19931123 OTHER CASES: NONE; ASSIGN AN UNDIVIDED
FIFTY PERCENTER 50% INTEREST.

19960820 US/A
PATENT

19981013 US/RF
REISSUE APPLICATION FILED
980820
UP - 1999-41

1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,548,276 A 19960820 [US5548276]
PA - Thomas Alan E
ACT - 19980820 REISSUE REQUESTED
ISSUE DATE OF O.G.: 19981013
REISSUE REQUEST NUMBER: 09/137960
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2617
Reissue Patent Number: USRE37493

1 / 2 PAST - ©Thomson Derwent

AN - 200201-001575
PN - 5548276 A [US5548276]
OG - 2002-01-01
ACT - REISSUE PATENT
RL - USRE37493

2 / 2 PAST - ©Thomson Derwent

AN - 199841-001257
PN - 5548276 A [US5548276]
OG - 1998-10-13
ACT - REISSUE APPLICATION FILED

<=1> GET 1st DRAWING SHEET OF 3

August 20, 1996

Localized automatic fire extinguishing apparatus

REISSUE: January 1, 2002 - This Patent was reissued on Jan. 1, 2002 as Reissue Patent Re 37,493. Reissue Application filed Aug. 20, 1998 (O.G. Oct. 13, 1998) Ex. Gp.: 2617; Re. S.N. 09/137,960 October 13, 1998

APPL-NO: 08158989

FILED-DATE: November 30, 1993

GRANTED-DATE: August 20, 1996

CORE TERMS: sensor, nozzle, driver, turret, scan, housing, comparator, arm, pan, filter ...

ENGLISH-ABST:

An automated fire extinguishing apparatus includes a turret with a nozzle connected to a water supply. A plurality of sensors are used to detect a fire monitored by the apparatus. The signals from the sensors are used to aim the nozzle toward the fire and to initiate water ejection therefrom. After the fire is extinguished the water is turned off.

5,548,276 OR 5548276

LEXIS-NEXIS
Library: PATENT
File: CASES

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LEXIS-NEXIS
Library: PATENT
File: JNLS

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LEXIS-NEXIS
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File: CURNWS

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S2 1 PN=US 5548276
?t 2/39/1

2/39/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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Basic Patent (No,Kind,Date): US 5548276 A 19960820 <No. of Patents: 003>
Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
US 5548276	A	19960820	US 158989	A	19931130	(BASIC)
US 37493	E1	20020101	US 137960	A	19980820	
WO 9703425	A1	19970130	WO 95US8673	A	19950712	

Priority Data (No,Kind,Date):

US 158989 A 19931130
WO 95US8673 W 19950712
US 137960 A 19980820
US 158989 A5 19931130
WO 95US8673 A 19950712

PATENT FAMILY:

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5548276 A 19960820
LOCALIZED AUTOMATIC FIRE EXTINGUISHING APPARATUS Localized automatic
fire extinguishing apparatus (English)

Patent Assignee: THOMAS ALAN E (US)

Author (Inventor): THOMAS ALAN E (US)

Priority (No,Kind,Date): US 158989 A 19931130; WO 95US8673 W
19950712

Applic (No,Kind,Date): US 158989 A 19931130

National Class: * 340578000; 169061000; 250339150; 250342000

IPC: * G08B-017/12

Derwent WPI Acc No: * G 96-392760; G 96-392760

Language of Document: English

Patent (No,Kind,Date): US 37493 E1 20020101

LOCALIZED AUTOMATIC FIRE EXTINGUISHING APPARATUS (English)

Patent Assignee: THOMAS ALAN E (US); STEWART HARRY E (US)

Author (Inventor): THOMAS ALAN E (US)

Priority (No,Kind,Date): US 137960 A 19980820; US 158989 A5
19931130

Applic (No,Kind,Date): US 137960 A 19980820

National Class: * 340578000; 169061000; 250339150; 250342000

IPC: * G08B-017/12

Derwent WPI Acc No: * G 96-392760

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 37493	E	19931130	US AA	PRIORITY
			US 158989 A5	19931130
US 37493	E	19980820	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 137960 A	19980820
US 37493	E	20020101	US E1	REISSUE (PRE-GRANT)
US 5548276	P	19931130	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 158989 A	19931130
US 5548276	P	19931130	US AS99	OTHER ASSIGNMENTS
			STEWART, HARRY E.	50 INTEREST 1178 WISTERIA
			DRIVE, MALVERN, PA	19355 ; THOMAS, ALAN E. :
			19931123 OTHER CASES:	NONE; ASSIGN AN
			UNDIVIDED FIFTY PERCENTER	50 INTEREST.
US 5548276	P	19950712	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 95US8673 W	19950712
US 5548276	P	19960820	US A	PATENT

US 5548276

P 19981013 US RF

REISSUE APPLICATION FILED

(REISSUE APPL. FILED)

980820

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9703425 A1 19970130

LOCALIZED AUTOMATIC FIRE EXTINGUISHING APPARATUS (English)

Patent Assignee: THOMAS ALAN E (US)

Author (Inventor): THOMAS ALAN E (US)

Priority (No,Kind,Date): WO 95US8673 A 19950712; US 158989 A
19931130

Applic (No,Kind,Date): WO 95US8673 A 19950712

Designated States: (National) CA; JP (Regional) AT; BE; CH; DE; DK;
ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: * G08B-017/12

Derwent WPI Acc No: * G 96-392760

Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

WO 9703425 P 19931130 WO AA PRIORITY (PATENT)
US 158989 A 19931130

WO 9703425 P 19950712 WO AE APPLICATION DATA (APPL.
DATA)

WO 9703425 P 19970130 WO AK DESIGNATED STATES CITED IN A
PUBLISHED APPLICATION WITH SEARCH REPORT
(DESIGNATED STATES CITED IN A PUBLISHED APPL.
WITH SEARCH REPORT)
CA JP

WO 9703425 P 19970130 WO AL DESIGNATED COUNTRIES FOR
REGIONAL PATENTS CITED IN A PUBLISHED
APPLICATION WITH SEARCH REPORT (DESIGNATED
COUNTRIES FOR REGIONAL PATENTS CITED IN A
PUBLISHED APPL. WITH SEARCH REPORT)
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
SE

WO 9703425 P 19970130 WO A1 PUBLICATION OF THE
INTERNATIONAL APPLICATION WITH THE
INTERNATIONAL SEARCH REPORT (PUB. OF THE
INTERNATIONAL APPL. WITH THE INTERNATIONAL
SEARCH REPORT)

WO 9703425 P 19970514 WO 121 EP: PCT APP. ART. 158 (1)
(EP: PCT ANM. ART. 158 (1))

WO 9703425 P 19980512 WO NENP NON-ENTRY INTO THE NATIONAL
PHASE IN:
CA

WO 9703425 P 19981028 WO 122 EP: PCT APP. NOT ENT. EUROP.
PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE
EING.)